Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented): Ink comprising:

a primary particle of a copolymer that has a glass transition point less than or equal to 50 $^{\circ}$ C, a softening point measured by a flow tester ranging from 40 through 150 $^{\circ}$ C and a volume average particle diameter ranging from 0.05 through 1 μ m obtained from a radical polymeric monomer composition consisting essentially of:

- (a) 20 through 99 wt% of either styrene or styrene derivative;
- (b) 10 through 80 wt% of alkyl acrylate, alkyl methacrylate, alkyl acrylate derivative or alkyl metacrylate derivative; and
- (c) 1 or more wt% of polymeric monomer including a polar group, the polymeric monomer including a polar group selected from the group consisting of acrylic acid, methacrylic acid, 2-hydroxypropyl-N, N, N-trimethylammonium chloride acrylate, vinylpyridine and N, N-diallylmethylammonium chloride;

a colorant; and

a solvent that is liquid at room temperature,

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2-3. (Canceled)

4. (Previously presented): The ink according to claim 1, wherein said copolymer has a glass transition point ranging from -30 through 45 °C.

5. (Canceled)

6. (Original): The ink according to claim 1, wherein said colorant comprises one selected from the group consisting of a pigment and a dye, and said colorant is dissolved or dispersed in said primary particle of a copolymer.

7. (Original): The ink according to claim 1, wherein said colorant comprises one selected from the group consisting of a pigment and a dye, and said colorant is absorbed on or coats a surface of said copolymer.

- 8. (Original): The ink according to claim 1, wherein said colorant comprises one selected from the group consisting of a pigment and a dye, and said colorant is dissolved or dispersed in said solvent.
- 9. (Original): The ink according to claim 1, wherein said copolymer is included at 1 through 50 wt%.

10. (Original): The ink according to claim 1, wherein said colorant is included at 0.1 through 20 wt%.

11-13. (Canceled)

14. (Previously presented): Ink comprising:

a copolymer particle that has a glass transition point less than or equal to 50 °C, a softening point measured by a flow tester ranging from 40 through 150°C and a volume average particle diameter ranging from 0.05 through 1 μ m obtained from a radical polymeric monomer composition consisting essentially of:

- (a) 20 through 99 wt% of either styrene or styrene derivative;
- (b) 10 through 80 wt% of alkyl acrylate, alkyl methacrylate, alkyl acrylate derivative or alkyl metacrylate derivative; and
- (c) 1 or more wt% of polymeric monomer including a polar group, the polymeric monomer including a polar group selected from the group consisting of acrylic acid, methacrylic acid, 2-hydroxypropyl-N, N, N-trimethylammonium chloride acrylate, vinylpyridine and N, N-diallylmethylammonium chloride;

a colorant; and

a solvent that is liquid at room temperature,

- 15. (Original): The ink according to claim 14, further comprising a surfactant covering a surface of said copolymer particle.
- 16. (Previously presented): An ink cartridge including a case and ink which is stored in said case and comprises:

a copolymer particle that has a glass transition point less than or equal to 50 °C, a softening point measured by a flow tester ranging from 40 through 150 °C and a volume average particle diameter ranging from 0.05 through 1 μ m obtained from a radical polymeric monomer composition consisting essentially of:

- (a) 20 through 99 wt% of either styrene or styrene derivative; and
- (b) 10 through 80 wt% of alkyl acrylate, alkyl methacrylate, alkyl acrylate derivative or alkyl metacrylate derivative; and
- (c) 5 through 10 wt% of polymeric monomer including a polar group, the polymeric monomer including a polar group selected from the group consisting of acrylic acid, methacrylic acid, 2-hydroxypropyl-N, N, N-trimethylammonium chloride acrylate, vinylpyridine and N, N-diallylmethylammonium chloride;

a colorant; and

a solvent that is liquid at room temperature,

17. (Previously presented): A recording device including a head and an ink cartridge

supplying ink to said head, wherein said ink comprises:

a copolymer particle that has a glass transition point less than or equal to 50 °C, a softening

point measured by a flow tester ranging from 40 through 150°C and a volume average particle

diameter ranging from 0.05 through 1 μm obtained from a radical polymeric monomer

composition consisting essentially of:

(a) 20 through 99 wt% of either styrene or styrene derivative; and

(b) 10 through 80 wt% of alkyl acrylate, alkyl methacrylate, alkyl acrylate

derivative or alkyl metacrylate derivative; and

(c) 1 or more wt% of polymeric monomer including a polar group, the polymeric

monomer including a polar group selected from the group consisting of acrylic acid, methacrylic

acid, 2-hydroxypropyl-N, N, N-trimethylammonium chloride acrylate, vinylpyridine and N,

N-diallylmethylammonium chloride;

a colorant; and

a solvent that is liquid at room temperature,

wherein the primary particle of the copolymer is prepared by a polymerization process

selected from the group consisting of an emulsion polymerization, a micro emulsion

polymerization and a soap-free polymerization.

18 and 19 (Cancelled)

20. (New): Ink comprising:

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a primary particle of a copolymer that has a glass transition point -30 through 50°C, a softening point measured by a flow tester ranging from 40 through 150°C and a volume average particle diameter ranging from 0.05 through 1 μ m obtained from a radical polymeric monomer composition consisting essentially of:

- (a) 20 through 99 wt% of styrene;
- (b) 10 through 80 wt% of alkyl acrylate, or alkyl methacrylate; and
- (c) 1 or more wt% of polymeric monomer including a polar group, the polymeric monomer including a polar group selected from the group consisting of acrylic acid, methacrylic acid, 2-hydroxypropyl-N, N, N-trimethylammonium chloride acrylate, vinylpyridine and N, N-diallylmethylammonium chloride;

a colorant; and

a solvent that is liquid at room temperature,